

Substitute Disclosure Form (PTO-1449)  
(Modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
NOR-953B

Sheet A (A) of 3

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(37 CFR 1.95)

Use several sheets if necessary

APPLICANT  
Louis A. Rigali et al.

FILING DATE  
April 9, 2001

SERIAL NO.  
09/829,305

JUL 10 2001  
RECEIVED  
GROUP  
1763  
700

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	4 2 0 8 1 5 9	6/17/80	Uehara et al.	414	225	
	A.B	4 2 5 2 5 9 5	2/24/81	Yamamoto et al.	156	345	
	A.C	4 3 1 8 7 6 7	3/9/82	Hijikata et al.	156	345	
	A.D	4 4 0 5 4 3 5	9/20/83	Tateishi et al.	204	298	
	A.E	4 5 5 0 2 4 2	10/1985	Uehara et al.	156	345	
	A.F	4 5 7 5 2 9 9	3/1986	Layton	414	222	
	A.G	4 5 8 4 0 4 5	4/1986	Richards	156	345	
	A.H	4 6 3 7 8 5 3	1/20/87	Bumble et al.	156	345	
	A.I	4 7 0 5 4 4 4	11/1987	Tullis et al.	118	729X	
	A.J	4 8 1 6 1 1 6	3/1989	Davis	156	643	
	A.K	4 8 8 9 6 0 9	12/26/89	Canella	204	298	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	6-21032	1/1984	Japan		NO
	A.M	2828066	9/1998	Japan		NO
	A.N					
	A.O					
	A.P					
	A.Q					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

A.R	Panasonic Factory Automation Company, <u>Plasma Cleaning Systems</u> , Brochure, 11/2000
A.S	Panasonic Factory Automation Company, <u>Japanese Brochure</u> , 11/2000
A.T	March Instruments, Inc., <u>In-Line Plasma System</u> , Brochure, 8/1995

EXAMINER	KAPLA MORSE	DATE CONSIDERED
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12/22/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

STANDARD FORM PTO-1449  
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Sheet 2 of 3

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U.S. PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(37 CFR 1.95(b)(4))  
(use several sheets if necessary)

ATTY. DOCKET NO.  
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09/829,304

APPLICANT  
Louis A. Rigali et al.

FILING DATE  
April 9, 2001

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1763

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B.A	5	0	4	4	8	7	1	9/1991	Davis et al.	414	786
	B.B	5	0	7	9	0	3	1	1/1992	Yamazaki et al.	118	729X
	B.C	5	1	1	6	6	4	0	5/1992	Mikami et al.	118	719X
	B.D	5	2	5	9	9	4	2	11/1993	Kempf	204	298.25
	B.E	5	2	8	6	2	9	6	2/1994	Sato	118	719
	B.F	5	2	8	8	6	8	4	2/1994	Yamazaki et al.	118	723 E X
	B.G	5	2	9	2	3	9	3	3/1994	Maydan	156	345
	B.H	5	3	0	2	0	7	7	4/1994	Sato	414	609
	B.I	5	3	0	3	6	7	1	4/1994	Kondo et al.	118	719
	B.J	5	3	1	0	4	1	0	5/1994	Begin	29	25.01
	B.K	5	3	1	4	2	9	8	5/1994	Kim	414	797.9

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
B.L						
B.M						
B.N						
B.O						
B.P						
B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

B.R	March Instruments, Inc., TEC Technology Advancement Center, Brochure, 2/1995
B.S	
B.T	

EXAMINER INITIAL	LAPLA MOORE	DATE CONSIDERED 07/22/03
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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NOR-953B		SHEET NO. (1) OF 3							
<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(Use several sheets if necessary)</p> <p style="text-align: center;">(37 CFR 1.14(a)(1))</p>				APPLICANT Louis A. Rigali et al.		SERIAL NO. 08/829,603							
				FILING DATE April 9, 2001		GROUP 1403							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER			ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
<i>M</i>	C.A	5	3	8	7	2	6	5	2/1995	Kakizaki et al.	118	730X	
	C.B	5	5	1	5	9	8	6	5/1996	Turlot et al.	156	345X	
	C.C	5	5	7	3	5	9	7	11/12/96	Lantsman	118	723MP	
	C.D	5	5	8	7	2	0	5	12/24/96	Saito et al.	427	553	
	C.E	5	6	4	7	9	4	2	7/1997	Haji	156	281	
	C.F	5	7	6	7	0	0	8	6/1998	Haji	438	612	
	C.G	5	7	7	9	8	0	7	7/1998	Dornfest et al.	134	1.2	
	C.H	5	8	2	3	4	1	6	10/20/98	Haji	228	4.5	7/9/96
	C.I	5	9	5	8	5	1	0	9/1991	Sivaramakrishnam et al.	427	255.6	
	C.J	6	0	9	3	9	0	4	7/25/00	Haji	219	121.45	7/15/98
	C.K												
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER		PUBLICATION DATE		COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)				
	C.L												
	C.M												
	C.N												
	C.O												
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	C.R												
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EXAMINER	<i>KAPLA MOORE</i>				DATE CONSIDERED		<i>12/22/03</i>						
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
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STATEMENT BY APPLICANT

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MAR 22 2002

APPLICANT  
Louis A. Rigali et al.FILING DATE  
April 9, 2001GROUP  
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(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	A.A	3	2	9	4	6	7	0	12/27/66	Charschan et al.	204	298	10/7/63
	A.B	3	6	4	1	9	7	3	2/15/72	Shrader	118	49	11/25/70
	A.C	4	2	7	8	5	2	8	7/14/81	Kuehnle et al.	204	298	10/9/79
	A.D	4	3	3	6	4	3	8	6/22/82	Uehara et al.	219	121PG	9/16/80
	A.E	4	4	1	8	6	3	9	12/6/83	Wills et al.	118	50	5/19/81
	A.F	4	5	5	0	2	3	9	10/29/85	Uehara et al.	219	121PG	9/27/82
	A.G	4	7	7	0	1	2	1	9/13/88	Ebata et al.	118	686	2/3/87
	A.H	4	8	1	6	6	3	8	3/28/89	Ukai et al.	219	121.43	10/20/87
	A.I	4	8	4	0	7	0	2	6/20/89	Schumacher, III	156	643	12/29/87
	A.J	5	0	3	0	0	5	6	7/9/91	Kitayama et al.	414	749	7/23/90
	A.K	5	0	8	6	7	2	9	2/11/92	Katagiri	118	729	6/13/89

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	DE 3935002	4/1991	Germany			Abstract Only
	A.M	59-164696	9/1984	Japan			Abstract Only
	A.N	04-123430	4/1992	Japan			Abstract Only
	A.O	03-023137	1/1991	Japan			Abstract Only
	A.P	04-311044	11/1992	Japan			Abstract Only
	A.Q	03-159143	7-1991	Japan			Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

W	A.R	Materials Research Corporation, <u>1.12 Inline production magnetron sputtering</u> , Journal Article, 3 pages
↓	A.S	Von Dr.-Ing M. Nowotnick, Fraunhofer-Einrichtung für Zuverlässigkeit und Mikrointegration (IZM), Berlin, <u>Plasmabehandlung als umweltfreundliche Alternative in der Leiterplattenfertigung</u> , Galvanotechnik D-88348 Saulgau 86 (1995) Nr. 4; Journal Article, 6 pages
✗	A.T	

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(37 CFR 1.98(b))

MAR 22 2002  
PATENT & TRADEMARK OFFICEAPPLICANT  
Louis A. Rigali et al.FILING DATE  
April 9, 2001GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		B.A	5	2	1	6	2	2	3	6/1/93	Straemke	219	121.43	2/25/91
		B.B	5	3	4	5	0	5	6	9/6/94	Frei et al.	219	121.59	12/12/91
		B.C	5	4	3	3	3	7	1	7/18/95	Morisako	228	180.5	10/13/93
		B.D	5	4	8	0	0	5	2	1/2/96	Furr et al.	216	71	10/22/93
		B.E	5	4	9	2	2	6	5	2/20/96	Wandke	228	205	12/20/94
		B.F	5	5	4	2	5	5	9	8/6/96	Kawakami et al.	216	67	2/14/94
		B.G	5	5	7	6	6	2	9	11/19/96	Turner et al.	324	709	10/24/94
		B.H	5	6	0	9	2	9	0	3/11/97	Bobbio et al.	228	206	4/20/95
		B.I	5	6	3	4	7	6	5	6/3/97	Miyoshi	414	786	6/7/95
		B.J	5	7	0	7	4	8	5	1/13/98	Rolfson et al.	156	643.1	12/20/95
		B.K	5	9	7	2	1	6	3	10/26/99	Haji	156	345	2/6/98

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B.L						
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B.Q						

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EXAMINER KAPLA MOOREDATE CONSIDERED 12/22/03EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))		MAR 22 2002 U.S. PATENT AND TRADEMARK OFFICE		APPLICANT Louis A. Rigali et al.	FILING DATE April 9, 2001
				GROUP 1763	

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## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		PATENT NUMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	C.A	6	3	1	Haji	428	209	4/1/98
	C.B							
	C.C							
	C.D							
	C.E							
	C.F							
	C.G							
	C.H							
	C.I							
	C.J							
	C.K							

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C.P						
C.Q						

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C.R	
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